

Publications of the National Geodetic Survey

Compiled by Grace C. Sollers

National Geodetic Survey Rockville, MD

April 1985

U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

National Ocean Service



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NOAA TECHNICAL MEMORANDUMS

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- NOAA Technical Memorandum NOS NGS-2. Final report on responses to geodetic data questionnaire, by Spencer, John F., Jr., 1976, 40 pp., \$2.25.
- NOAA Technical Memorandum NOS NGS-3. Adjustment of geodetic field data using a sequential method, by Whiting, Marvin C. and Pope, Allen J., 1976, 11 pp., \$1.00.
- NOAA Technical Memorandum NOS NGS-4. Reducing the profile of sparse symmetric matrices, by Snay, Richard A., 1976, 24 pp., \$1.50.
- NOAA Technical Memorandum NOS NGS-5. National Geodetic Survey data:
 availability, explanation, and application (out of print, superseded by
 Products and Services of the National Geodetic Survey, 30 pp., 1983), by
 Dracup, Joseph F., 1976, revised 1979, 39 pp.
- NOAA Technical Memorandum NOS NGS-6. Determination of North American Datum 1983 coordinates of map corners, by Vincenty, T., 1976, 8 pp., \$1.00.
- NOAA Technical Memorandum NOS NGS-7. Recent elevation change in Southern California, by Holdahl, Sandford R., 1977, 19 pp., \$1.50.
- NOAA Technical Memorandum NOS NGS-8. Establishment of calibration base lines, by Dracup, Joseph F., Fronczek, Charles J., Tomlinson, Raymond W., and Spofford, Paul R., 1977, revised 1982, 21 pp., \$1.50.
- NOAA Technical Memorandum NOS NGS-10. Use of calibration base lines, by Fronczek, Charles J., 1977, revised 1980, 38 pp., \$2.25.
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- NOAA Technical Memorandum NOS NGS-31. A Model of temperature stratification for correction of leveling refraction, by Holdahl, Sandford R., 1981, 27 pp., \$1.75.

- NOAA Technical Memorandum NOS NGS-32. Report of survey for McDonald Observatory, Harvard Radio Astronomy Station, and vicinity, by Carter, William E. and Pettey, James E., 1981, 83 pp., \$3.00.
- NOAA Technical Memorandum NOS NGS-33. The 3.5-year GEOS-3 data set, by Agreen, Russell W., 1982, 8 pp., \$1.00.
- NOAA Technical Memorandum NOS NGS-34. Corrections applied by the National Geodetic Survey to precise leveling observations, by Balazs, Emery I. and Young, Gary M., 1982, 12 pp., \$1.00.
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- NOAA Technical Memorandum NOS NGS-41. A Hybrid method of mapping and photogeodetic control network densification, by Adler, Ron, 1984, 16 pp., \$1.25.
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- NOAA Technical Report NOS 95 NGS 24. Proceedings of Symposium No. 5: geodetic applications of radio interferometry, International Association of Geodesy, Tokyo, Japan, by Carter, William E. and Tusuchiya, A., 1982, 334 pp., \$9.50.
- NOAA Technical Report NOS 96 NGS 25. Allocation of inertial surveying system model parameters, by Challstrom, Charles W., 1982, 94 pp., \$3.25.
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- NOAA Technical Report NOS 109 NGS 31. Geodetically derived strain from San Francisco Bay to the Mendocino Triple Junction, California, by Cline, Michael W., Snay, Richard A., and Timmerman, Edward L., April 1985, 17 pp., \$1.50.

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- NOAA Manual NOS NGS 1. Geodetic bench marks, by Floyd, Richard P., 1978, 50 pp., \$2.25.
- NOAA Manual NOS NGS 3. Geodetic leveling (unbound, supersedes <u>C&GS</u>

 <u>Special Publication</u> 239), by Schomaker, M. Christine and Berry, Ralph Moore, 1981, 209 pp., \$7.00.

OTHER NOAA GEODETIC PUBLICATIONS

- Use of State Plane Coordinates in Route Surveying, by Mitchell, Hugh C., 1950, 11 pp., \$1.00.
- Astronomical Azimuths for Local Control, by Poling, Arthur A., Jr., 1967, 10 pp., \$1.00.
- A Computer Program to Adjust a State Plane Coordinate Traverse by the Method of Least Squares, by Holdahl, Jeanne H. and Dubester, Dorothy E., 1972, 232 pp., \$7.00.
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- Report on Geodetic Measurements of Crustal Movement, 1906-71, by NOAA, 1973, 630 pp., \$17.00.
- Fundamentals of the State Plane Coordinate Systems, by Dracup, Joseph F., 1974, 60 pp., \$2.25.
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- Geodetic and Astrometric Measurements with Very-Long-Baseline Interferometry, by Robertson, Douglas S., 1975, 185 pp., \$5.50.
- Understanding the State Plane Coordinate Systems, by Dracup, Joseph F., 1977, 31 pp., \$1.75.
- Proceedings of the Second International Symposium on Problems Related to the Redefinition of North American Geodetic Networks, Arlington, Virginia, by National Ocean Survey, 1978, 645 pp., \$17.50.
- Proceedings of the First International Conference on the Redefinition of the North American Geodetic Vertical Control Network, Fort Clayton, Canal Zone, by National Ocean Survey, 1979, 230 pp., \$7.00.
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- Report on Surveys of Delaware-Maryland Boundaries, by Meade, Buford K., 1982, 314 pp., \$9.00.
- Apparent Place of Polaris and Apparent Sidereal Time at 0 Hr UT 1983, by National Geodetic Survey, 1983, 12 pp., \$1.00.

- Products and Services of the National Geodetic Survey, by Spencer, John F., Jr., Stem, James E., and Wallace, William W., 1983, 30 pp., \$3.50.
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- Using the global positioning system (GPS) phase observable for relative geodesy: modeling, processing, and results, by Remondi, Benjamin W., 1984, 360 pp., \$9.50.
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- <u>C&GS Special Publication</u> 71 (superseded by two pages). Relationship between local plane coordinates and geographic positions, by Reynolds, Walter F., 1921, 2 pp., \$1.00.
- C&GS Special Publication 138. Manual of triangulation computation and adjustment, by Reynolds, Walter F., 1928, 242 pp., \$7.00.
- <u>C&GS Special Publication</u> 193 (first 12 pages only). Manual of plane-coordinate computation, by Adams, Oscar S. and Claire, Charles N., 1935, 12 pp., \$1.00.
- <u>C&GS Special Publication</u> 205. Cartography, review and guide for the construction and use of charts,, by Deetz, Charles H., 1936, 83 pp., \$3.00.
- <u>C&GS Special Publication</u> 225. Manual of reconnaissance for triangulation, by Musseter, William, 1941, 100 pp., \$4.25.

- C&GS Special Publication 234. Signal building, by Bilby, Jasper S., 1943, 43 pp., \$2.25.
- <u>C&GS Special Publication</u> 235. The State coordinate systems (a manual for surveyors), by Mitchell, Hugh C. and Simmons, Lansing G., 1945, 62 pp., \$2.50.
- <u>C&GS Special Publication</u> 237. Manual of geodetic astronomy:

 determination of longitude, latitude, and azimuth, by Hoskinson, Albert J.
 and Duerksen, J. A., 1947, 205 pp., \$7.00.
- <u>C&GS Special Publication</u> 238. Air-line distances between cities in the United States, by Whitten, Charles A., 1947, 257 pp., \$7.50.
- C&GS Special Publication 239. Manual of geodetic leveling (out of print, superseded by NOAA Manual NOS NGS 3, 209 pp., 1981), by Rappleye, Howard S., 1948, 94 pp.
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- <u>C&GS Special Publication</u> 246. Sines, cosines, and tangents, ten decimal places with ten second interval: zero degrees-six degrees, by C&GS, 1949, 36 pp., \$2.00.
- C&GS Special Publication 247. Manual of geodetic triangulation, by Gossett, Franklin R., 1950, 344 pp., \$9.50.
- <u>C&GS Special Publication</u> 251. Conformal projections in geodesy and cartography, by Thomas, Paul D., 1952, 142 pp., \$5.00.
- C&GS Special Publication 252. Plane coordinate projection tables: Texas (Lambert), by C&GS, 1950, 64 pp., \$2.50.
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- NOTE Index to State Plane Coordinate Zone Codes is available for \$6.00. This 1:5,000,000 scale U.S. map shows at a glance the counties within each State plane coordinate zone and the type of projection used for the zone.

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